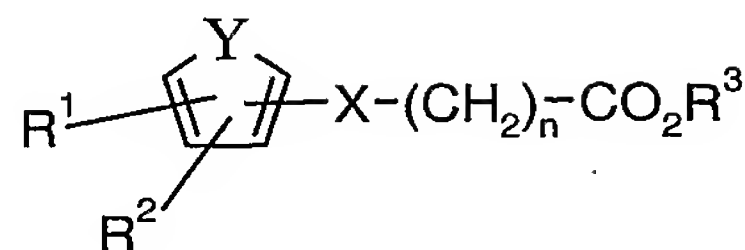


WE CLAIM:

1. A compound of formula I:



I;

wherein:

$\text{R}^1$  and  $\text{R}^2$  are each independently H, OH, cyano,  $\text{C}_1$ - $\text{C}_6$  alkyl,  $\text{C}_1$ - $\text{C}_6$  alkoxy,  $\text{CF}_3$ , halo or  $\text{NR}^4\text{R}^{4'}$ ;

$\text{R}^3$  is H,  $\text{C}_1$ - $\text{C}_6$  alkyl;

X is a 5 membered aromatic heterocycle that is optionally substituted with  $\text{C}_1$ - $\text{C}_4$  alkyl; wherein said heterocycle contains at least two or three heteroatoms selected from N, S and O wherein at least one heteroatom must be N;

Y is S,  $\text{CR}^5=\text{N}$  or  $\text{N}=\text{CR}^5$ ;

n is 2, 3, 4, 5, 6 or 7;

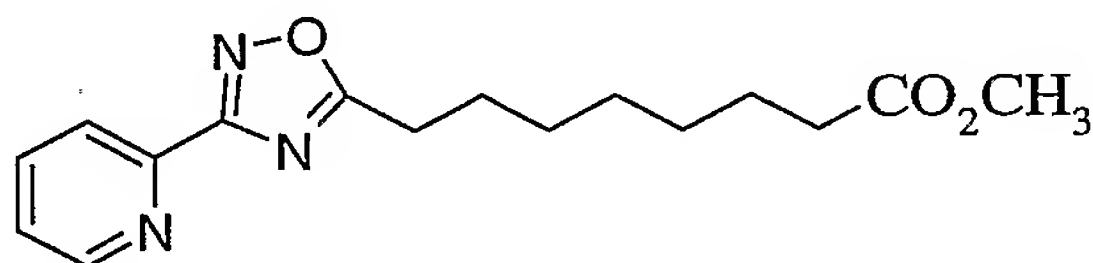
$\text{R}^4$  is H,  $\text{COR}^6$ ,  $\text{SO}_2\text{R}^7$ , or  $\text{C}_1$ - $\text{C}_6$  alkyl;

$\text{R}^{4'}$  is H or  $\text{C}_1$ - $\text{C}_6$  alkyl;

$\text{R}^5$  is H or forms a bond with X;

$\text{R}^6$  is H or  $\text{C}_1$ - $\text{C}_6$  alkyl; and

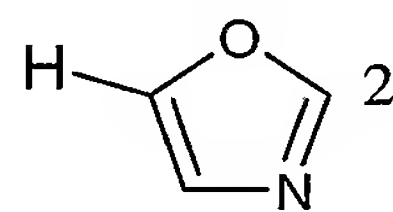
$\text{R}^7$  is H or  $\text{C}_1$ - $\text{C}_6$  alkyl; or a pharmaceutical salt thereof; wherein said compound of formula I is not:



2. The compound of claim 1 wherein  $R^1$  and  $R^2$  are each independently H, OH,  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  alkoxy,  $CF_3$ , halo or  $NR^4R^{4'}$  and wherein X is not substituted with  $C_1$ - $C_4$  alkyl.

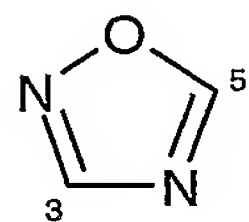
3. The compound of claim 1 or 2 wherein  $R^3$  is H.

4. The compound of any one of claims 1-3 wherein X is



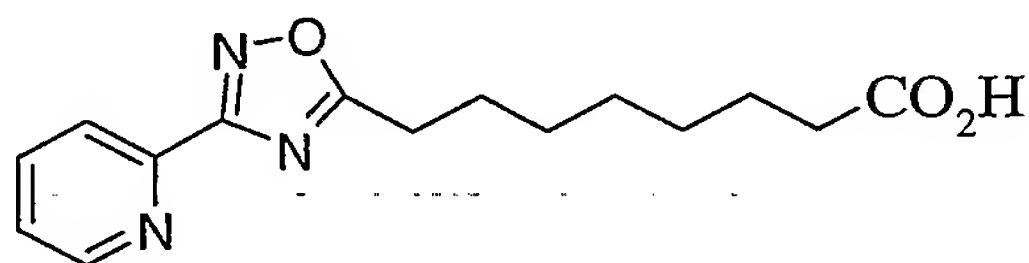
;  $R^3$  is H and the  $(CH_2)_nCO_2R^3$  moiety is attached at position number 2; or a pharmaceutical salt thereof.

5. The compound of any one of claims 1-3 wherein X is



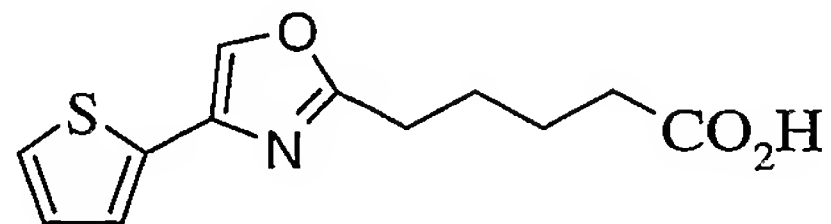
;  $R^3$  is H and the  $(CH_2)_nCO_2R^3$  moiety is attached at position number 5; or a pharmaceutical salt thereof.

6. A compound which is



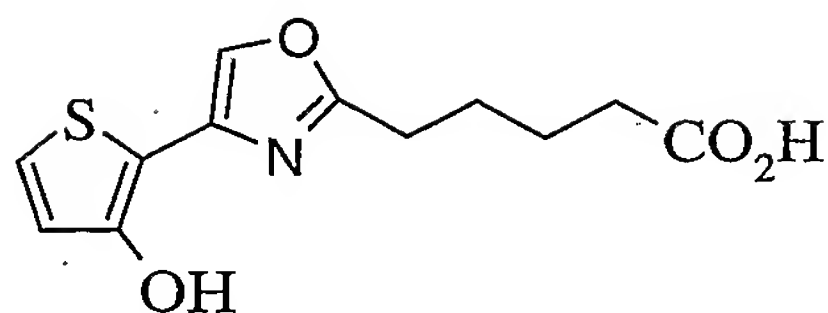
or a pharmaceutical salt thereof.

7. A compound which is



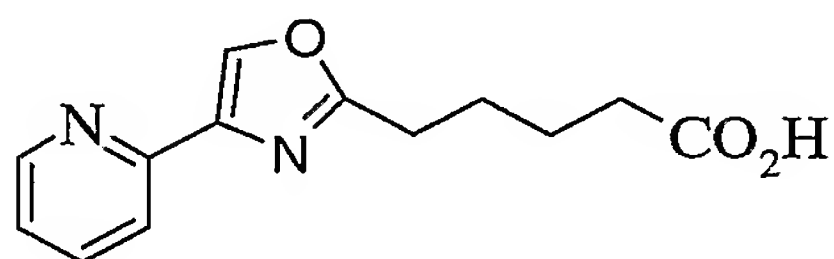
or a pharmaceutical salt thereof.

8. A compound which is



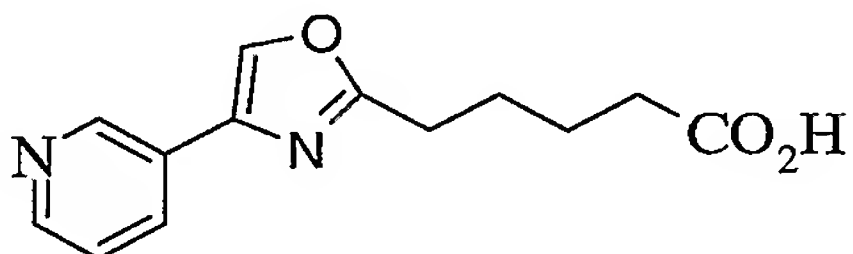
or a pharmaceutical salt thereof.

9. A compound which is



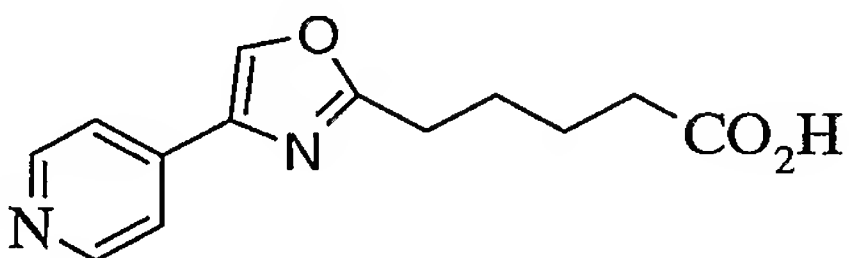
or a pharmaceutical salt thereof.

10. A compound which is



or a pharmaceutical salt thereof.

11. A compound which is .



or a pharmaceutical salt thereof.

12. A pharmaceutical composition comprising:

- a) a compound of any one of claims 3-11 or a pharmaceutical salt thereof; and
- b) a GLP-1 compound.

13. The composition of claim 14 wherein the GLP-1 compound is Val<sup>8</sup>-Glu<sup>22</sup>-GLP-1(7-37)OH.

14. A pharmaceutical composition comprising:
- a) a compound of any one of claims 3-11 or a pharmaceutical salt thereof; and
  - b) an MC4 agonist peptide.
15. The composition of claim 16 wherein the MC4 agonist peptide is selected from the group consisting of:
- Ac-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH<sub>2</sub>;
- Ac-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH<sub>2</sub>;
- Ac-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH<sub>2</sub>; and
- N-cyclohexanecarbonyl-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH<sub>2</sub>.